

We Claim:

1. A pencil for writing, sketching, drawing and cosmetic purposes, comprising:

a pencil body having at least one surface; and

raised handling structures of a plastic material disposed on said at least one surface and projecting therefrom to form grip surfaces, said structures being of an initially flowable applied anhydrous preparation of at least one radiation-curable plastic that subsequently solidifies.

2. The pencil according to claim 1, wherein said preparation is solvent-free.

3. The pencil according to claim 1, wherein said preparation includes a UV-curable plastic.

4. The pencil according to claim 3, wherein said preparation includes a photoinitiator selected from at least one of the group consisting of benzophenone and a benzophenone derivative.

5. The pencil according to claim 4, wherein said preparation includes a co-initiator enhancing a photoinitiating effect of said photoinitiator.

6. The pencil according to claim 5, wherein said preparation has a guide formulation by percentage weight of:

UV-curable plastic	40-98%;
Organic solvent	0-40%;
Photoinitiator	0.1-30%;
Colorant	0-60%;
Fillers	0-60%; and
Additives	0-10%.

7. The pencil according to claim 1, wherein said preparation has a guide formulation by percentage weight of:

UV-curable plastic	40-98%;
Organic solvent	0-40%;
Photoinitiator	0.1-30%;
Colorant	0-60%;
Fillers	0-60%; and
Additives	0-10%.

8. The pencil according to claim 6, wherein:

said preparation includes at least one acrylate derivative selected from the group consisting of an acrylate monomer and an acrylate oligomer; and

said acrylate oligomer selected from the group consisting of aromatic and aliphatic epoxide resins, polyester-, polyurethane-, oligoether-, amine-modified oligoethers and polyol acrylates.

9. The pencil according to claim 7, wherein:

said preparation includes at least one acrylate derivative selected from the group consisting of an acrylate monomer and an acrylate oligomer; and

said acrylate oligomer selected from the group consisting of aromatic and aliphatic epoxide resins, polyester-, polyurethane-, oligoether-, amine-modified oligoethers and polyol acrylates.

10. The pencil according to claim 8, wherein said preparation has a guide formulation by percentage weight of:

Acrylate oligomer	70-80%;
Acrylate monomer	4-12%;
Benzophenone	2-8%;
Co-initiator	5-12%;
Flow-control and slip agent	1-2%; and
Antifoam	0.5-1.5%.

11. The pencil according to claim 9, wherein said preparation has a guide formulation by percentage weight of:

Acrylate oligomer	70-80%;
Acrylate monomer	4-12%;
Benzophenone	2-8%;
Co-initiator	5-12%;
Flow-control and slip agent	1-2%; and
Antifoam	0.5-1.5%.

12. A method for making a pencil for writing, sketching, drawing, and cosmetic purposes, which comprises:

initially applying a flowable anhydrous preparation of at least one radiation-curable plastic on at least one surface of a pencil body; and

allowing the preparation to solidify and produce raised handling structures forming grip surfaces projecting from the surface.

13. A pencil for writing, sketching, drawing, and cosmetic purposes, comprising:

a pencil body having at least one surface; and

raised handling structures of a plastic material disposed on said at least one surface and projecting therefrom to form grip surfaces, said structures being of an initially flowable applied anhydrous, physically drying preparation including an organic solvent and a plastic that subsequently solidifies.

14. The pencil according to claim 13, wherein said preparation includes at least one plastic selected from the group consisting of polyesters, phenol resins, urea resins, melamine resins, polyterpene resins, polyvinyl alcohols,

polyvinyl acetals, polyvinyl acetates, polyvinyl dispersions, PVC, polyvinyl ethers, polyvinyl propionates, poly(meth)acrylates, poly(meth)acrylate copolymers, polystyrenes, polyolefins, coumarone-indene resins, polyhydantoin, polyamide-imide, naphthalene, formaldehyde and furan resins, hydrocarbon resins, aromatic formaldehyde resins, carbamic acid resins, sulfonamide resins, chloroterphenyl resins, polyamide resins, nitrocelluloses, cellulose acetates, cellulose acetobutyrate, cellulose acetopropionates, ethylcellulose, benzylcellulose, carboxymethyl-, carboxyethyl-, methyl-, hydroxypropylmethyl-, ethylhydroxyethyl- and hydroxyethylcellulose, rubber and rubber derivatives, such as chlorinated rubber, natural rubber, depolymerized natural rubber, cyclized rubber and synthetic rubber, polyurethanes, and epoxide resins.

15. The pencil according to claim 13, wherein said preparation includes one material selected from the group consisting of a PVC copolymer and nitrocellulose.

16. The pencil according to claim 13, wherein said preparation has a guide formulation by percentage weight of:

Organic solvent	40-90%;
Plastic content	5-40%;
Colorant	0-40%;
Fillers	0-50%;
Waxes	0-20%; and

Additives

0-10%.

17. The pencil according to claim 16, wherein said preparation has a guide formulation by percentage weight of:

Butyl acetate	40-45%;
Methoxypropyl acetate	10-20%;
n-Butyl glycolate	2-8%;
Nitrocellulose	20-30%;
Filler	5-15%;
Thickener	0.2-0.8%;
Wax	0.2-0.8%;
Antifoam	0.4-0.12%;
	and
Flow-control agent	0.1-0.3%.

18. The pencil according to claim 1, wherein said preparation includes at least one filler selected from the group consisting of kaolin, talc, barium sulfate, titanium white, calcium carbonate, and mica.

19. The pencil according to claim 6, wherein said preparation includes at least one filler selected from the group consisting of kaolin, talc, barium sulfate, titanium white, calcium carbonate, and mica.

20. The pencil according to claim 7, wherein said preparation includes at least one filler selected from the group consisting of kaolin, talc, barium sulfate, titanium white, calcium carbonate, and mica.

21. The pencil according to claim 13, wherein said preparation includes at least one filler selected from the group consisting of kaolin, talc, barium sulfate, titanium white, calcium carbonate, and mica.

22. The pencil according to claim 16, wherein said preparation includes at least one filler selected from the group consisting of kaolin, talc, barium sulfate, titanium white, calcium carbonate, and mica.

23. The pencil according to claim 17, wherein said preparation includes at least one filler selected from the group consisting of kaolin, talc, barium sulfate, titanium white, calcium carbonate, and mica.

24. The pencil according to claim 1, wherein said preparation includes at least one filler selected from the group consisting of hollow aluminum silicate beads, expanded hollow beads, soft-feel PU beads, micronized plastics, such as polypropylene or PTFE, and PE waxes.

25. The pencil according to claim 6, wherein said preparation includes at least one filler selected from the group consisting of hollow aluminum silicate beads, expanded hollow beads, soft-feel PU beads, micronized plastics, such as polypropylene or PTFE, and PE waxes.

26. The pencil according to claim 7, wherein said preparation includes at least one filler selected from the group consisting of hollow aluminum silicate beads, expanded hollow beads, soft-feel PU beads, micronized plastics, such as polypropylene or PTFE, and PE waxes.

27. The pencil according to claim 13, wherein said preparation includes at least one filler selected from the group consisting of hollow aluminum silicate beads, expanded hollow beads, soft-feel PU beads, micronized plastics, such as polypropylene or PTFE, and PE waxes.

28. The pencil according to claim 16, wherein said preparation includes at least one filler selected from the group consisting of hollow aluminum silicate beads, expanded hollow beads, soft-feel PU beads, micronized plastics, such as polypropylene or PTFE, and PE waxes.

29. The pencil according to claim 17, wherein said preparation includes at least one filler selected from the group consisting of hollow aluminum silicate beads, expanded hollow beads, soft-feel PU beads, micronized plastics, such as polypropylene or PTFE, and PE waxes.



30. The pencil according to claim 1, wherein said structures are screen-printed structures.

31. The pencil according to claim 13, wherein said structures are screen-printed structures.

32. A method for making a pencil for writing, sketching, drawing, and cosmetic purposes, which comprises:

initially applying a flowable anhydrous, physically drying preparation including an organic solvent and a plastic on at least one surface of a pencil body; and

allowing the preparation to physically dry and solidify to produce raised handling structures forming grip surfaces projecting from the surface.

33. The method according to claim 32, which further comprises carrying out the applying step by screen-printing the preparation.

34. The method according to claim 12, which further comprises carrying out the applying step by screen-printing the preparation.

35. The pencil according to claim 1, wherein said structures are of an initially flowable applied anhydrous preparation of at least one radiation-curable plastic subsequently solidifying under radiation.

36. The pencil according to claim 1, wherein said pencil body is of wood.

37. The pencil according to claim 13, wherein said pencil body is of wood.